Install MIPSPro Compilers Version 7.4 on IRIX 6.5.x systems

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Symptom(s):

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How to install MIPSpro compilers
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Install MIPSpro Compilers 7.4
Install 7.4 Compilers
7.4 Compiler Install

Fact(s):

IRIX 6.5.X
MIPSpro Compiler 7.4
MIPSpro Fortran 77 Compiler 7.4
MIPSpro Fortran 90 Compiler 7.4
MIPSpro C Compiler 7.4
MIPSpro C   Compiler 7.4
MIPSpro Compiler 7.4.1
FOR IRIX 6.5.18 OR LATER ONLY: If running MIPSpro C or C   Compilers, patch 4605 MUST BE INSTALLED from the Irix Development Foundation 1.3 CD otherwise you will get a load of conflicts... please see note at the bottom of this procedure.

SGI Solution:

To install MIPSPro Compilers V7.4 on IRIX 6.5.x systems, the following CDROM distributions are required:

```
            IRIX Development Foundation 1.3                          (812-0757-004)
            Compiler Execution Environment 7.4 CD                    (812-0924-002)
            IRIX 6.5 Development Libraries CD                        (812-0766-002/3)
            IRIX 6.5 Foundation 1 CD                                     (812-0759-002)
            IRIX 6.5 Foundation 2 CD                                         (812-0760-002)
        MIPSPro 7.4.1m Maintenance Release CD           (812-0980-004)
                 or
        MIPSPro 7.4.2m Maintenance Release CD           (812-0980-005)
                 or
        MIPSPro 7.4.3m Maintenance Release CD           (812-0980-006)
                 or
            MIPSPro 7.4.4m Maintenance Release CD          (812-0980-007)

            Then, any or all of the following compilers:
            MIPSpro C Compiler 7.4                          (812-0707-004)
            MIPSpro C   Compiler 7.4                        (812-0400-010)
            MIPSpro Fortran 77 Compiler 7.4                 (812-0403-010)
            MIPSpro Fortran 90 Compiler 7.4                 (812-0402-010)
            Suite of IRIX 6.5.x Installation Tools and Overlays CDs:
            IRIX 6.5.1   -  6.5.7:             2 overlay suite;
            IRIX 6.5.8   -  6.5.14:            3 overlay suite;
            IRIX 6.5.15 -  6.5.21:             4 overlay suite.
        IRIX 6.5.22:                    3 overlay suite.
```

To determine which IRIX overlay version is installed:

```
            $ uname -R
```

To install the compilers (assuming your CDROM drive normally mounts as /CDROM):

```
            $ su root
            # inst -f /CDROM/dist
            Inst>
            {Should see something like the following ....}

            Default distribution to install from: [/CDROM/dist]

            For help on inst commands, type "help overview".

            Inst 4.1 Main Menu

            1. from [source ...]            Specify location of software to be installed
            2. open [source ...]            Specify additional software locations
            3. close [source ...]           Close a software distribution location
            4. list [keywords] [names]      Display information about software subsystems
            5. go                           Perform software installation and removal now
            6. install [keywords] [names]   Select subsystems to be installed
            7. remove [keywords] [names]    Select subsystems to be removed
            8. keep [keywords] [names]      Do not install or remove these subsystems
            9. step [keywords] [names]      Interactive mode for install/remove/keep
            10. conflicts [choice ...]       List or resolve installation conflicts
            11. help [topic]                 Get help in general or on a specific word
            12. view ...                     Go to the View Commands Menu
            13. admin ...                    Go to the Administrative Commands Menu
            14. quit                         Terminate software installation

            {Insert the Compiler Execution Environment 7.4 CD in CDROM drive}
            Inst> open
            Inst> sh eject

            {Insert IRIX Development Foundation 1.3 CD}
            Inst> open
            Inst> sh eject

            {Insert IRIX Development Libraries CD}
            Inst> open
            Inst> sh eject

            {Insert IRIX Foundation 1 CD}
            Inst> open
            Inst> sh eject

            {Insert IRIX Foundation 2 CD}
            Inst> open
            Inst> sh eject

            {Insert IRIX 6.5.x Installation Tools and Overlays 1 of X CD}
            Inst> open
            Inst> sh eject

        {Insert Developer Tools Maintenance Release 7.4.xm CD}
```

```
        Inst> open
        Inst> sh eject

            {Insert IRIX 6.5.x Overlays 2 of X CD}
            Inst> open
            Inst> sh eject

            {For IRIX 6.5.8 and later; or IRIX 6.5.22, insert IRIX 6.5.x Overlays 3 of X CD}
            Inst> open
            Inst> sh eject

            {For IRIX 6.5.15 and later, insert IRIX 6.5.x Overlays 4 of 4 CD}
            Inst> open
            Inst> sh eject

            {Insert desired Mipspro Compiler 7.4 CD}
            Inst> open
            Inst> sh eject

            {Insert and open any other MIPSpro Compiler 7.4 CDs as required}

            Inst> keep all
            Inst> install default

            {FOR IRIX 6.5.18 OR LATER ONLY: If running MIPSpro C or C   Compilers, patch 4605 MUST BE INSTALLED from the Irix Development
            Foundation 1.3 CD}
            Inst> install patchSG0004605

            Inst> conflicts
            {Some java_dev, java_eoe and/or desktop_eoe conflicts may be incurred - these are harmless and can be ignored by selecting
the option
            that ignores these subsystems, e.g.    Inst> conflicts 1a 2a 3a}

            Inst> go
            Inst> quit
            #exit (as root)

            The system does not need to be rebooted.

            For more information, see the installation instructions in the Irix Development Foundation Release Notes idf 1
```

Answers others found helpful

- Applications are slower since IRIX upgrade to Irix 6.5.30
- USB support under IRIX
- How do I install NFS subsystems on IRIX
- How to install IRIX 6.5

Additional Details

Creation Date	11/06/2002 06:20 AM
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Products	• Software • System Management Software • SGI Foundation Software (SFS) • SFS 1 • SFS 2 • Software Development Tools • C++ • Perl • Python • Java • Fortran • OpenMPI • Legacy Software • Operating Systems • IRIX • Software Development Tools • MIPSPro Compiler for IRIX
Categories	• Knowledgebase • Technical Solution